

CLAIMS

1. Infusion device for subcutaneous administering a medication or a therapeutic fluid to a patient, comprising
 - 5 a base element, comprising
 - fluid receiving means for receiving said fluid,
 - fluid communication means for transferring said fluid into a cannula, and
 - at least one recess for accommodating a septum pierceable by a needle; and
 - a septum housing accommodating the septum;
 - 10 wherein the septum is secured to the base element by the septum housing in such a way that a fluid transfer volume is formed in said at least one recess between an internal surface of the septum and an inner section of the recess in the base element, said fluid transfer volume communicating with the fluid communication means,
characterized in that
 - 15 the septum is radially compressed in the septum housing so that a fluid-tight seal is provided between the septum and the septum housing, as well as between the septum housing and the base element.
2. Infusion device according to claim 1, wherein said fluid transfer volume is
20 accommodating cannula securing means.
3. Infusion device according to claim 1 or 2, wherein said septum housing is a tubular element accommodating said septum, at least one end of which tubular element forming a substantially partial enclosure over one surface of said septum.
- 25 4. Infusion device according to any of the preceding claims, wherein said septum housing includes an integrally formed cannula bushing.
5. Infusion device according to any of the preceding claims, wherein one of the
30 surfaces of said septum is substantially exposed.

6. Infusion device according to any of the preceding claims, wherein said septum housing is fixed to said base element by welding.
7. Infusion device according to claim 6, wherein said septum housing is fixed to said base element by ultrasonic welding.
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8. Infusion device according to any of the claims 1-5, wherein said septum housing is fixed to said base element by a snap-lock.
- 10 9. Infusion device according to any of the preceding claims, wherein said septum housing is fluid-sealed by ultrasonic welding to said base element.
10. Infusion device according to any of claims 1-8, wherein said septum housing is fluid-sealed by a gasket arranged between said septum housing and said inner section
15 of said recess.
11. Infusion device according to any of the preceding claims, wherein said septum is fixed inside said septum housing by friction.
- 20 12. Infusion device according to any of claims 1-10, wherein said septum is fixed inside said septum housing by welding.
13. Infusion device according to claim 12, wherein said septum is fixed inside said septum housing by ultrasonic welding.